



The greatest possible impact: The Wellcome Trust and open research

Robert Smith^{1,2,3}

- 1) School of Health and Related Research, University of Sheffield, UK.
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Before we start ...

Disclaimer:

*The **views in this presentation are those of the author**, not of the University of Sheffield or the Joint Biosecurity Centre.*

Grant information:

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RESEARCH ARTICLE Check for updates

REVISED Does ethnic density influence community participation in mass participation physical activity events? The case of parkrun in England [version 2; peer review: 3 approved]

Robert Smith¹, Paul Schneider², Alice Bullas², Steve Haake², Helen Quirk², Rami Cosulich¹, Elizabeth Goyder¹

Author details

Abstract

Background: parkrun has been successful in encouraging people in England to participate in their weekly 5km running and walking events. However, there is substantial heterogeneity in parkrun participation across different communities in England: after controlling for travel distances, deprived communities have significantly lower participation rates.

Methods: This paper expands on previous findings by investigating disparities in parkrun participation by ethnic density. We combined geo-spatial data available through the Office for

Open Peer Review

Reviewer Status: ✓✓✓

Reviewer Reports

	1	2	3
Version 2 (revision) 18 Jun 20	✓ read	✓ read	✓ read
Version 1 16 Jan 20	✓ read	✓ read	? read

1. Anne Grunseit¹, The Australian Prevention Partnership Centre, NSW, Australia, University

METHOD ARTICLE Check for updates

REVISED Making health economic models Shiny: A tutorial [version 2; peer review: 2 approved]

Robert Smith¹, Paul Schneider²

* Equal contributors

Author details

Abstract

Health economic evaluation models have traditionally been built in Microsoft Excel, but more sophisticated tools are increasingly being used as model complexity and computational requirements increase. Of all the programming languages, R is most popular amongst health economists because it has a plethora of user created packages and is highly flexible. However, even with an integrated development environment such as R Studio, R lacks a simple point and click user interface and therefore requires some programming ability. This might make the switch from Microsoft Excel to R seem daunting, and it might make it difficult to directly communicate results with decisions makers and other stakeholders.

Open Peer Review

Reviewer Status: ✓✓

Reviewer Reports

	1	2
Version 2 (revision) 31 Jul 20	✓ read	✓ read
Version 1 14 Apr 20	? read	✓ read

1. Talitha L. Feenstra, University of Groningen, Groningen, The Netherlands

https://github.com/SchHARR-PHEDS/DoPE_Public

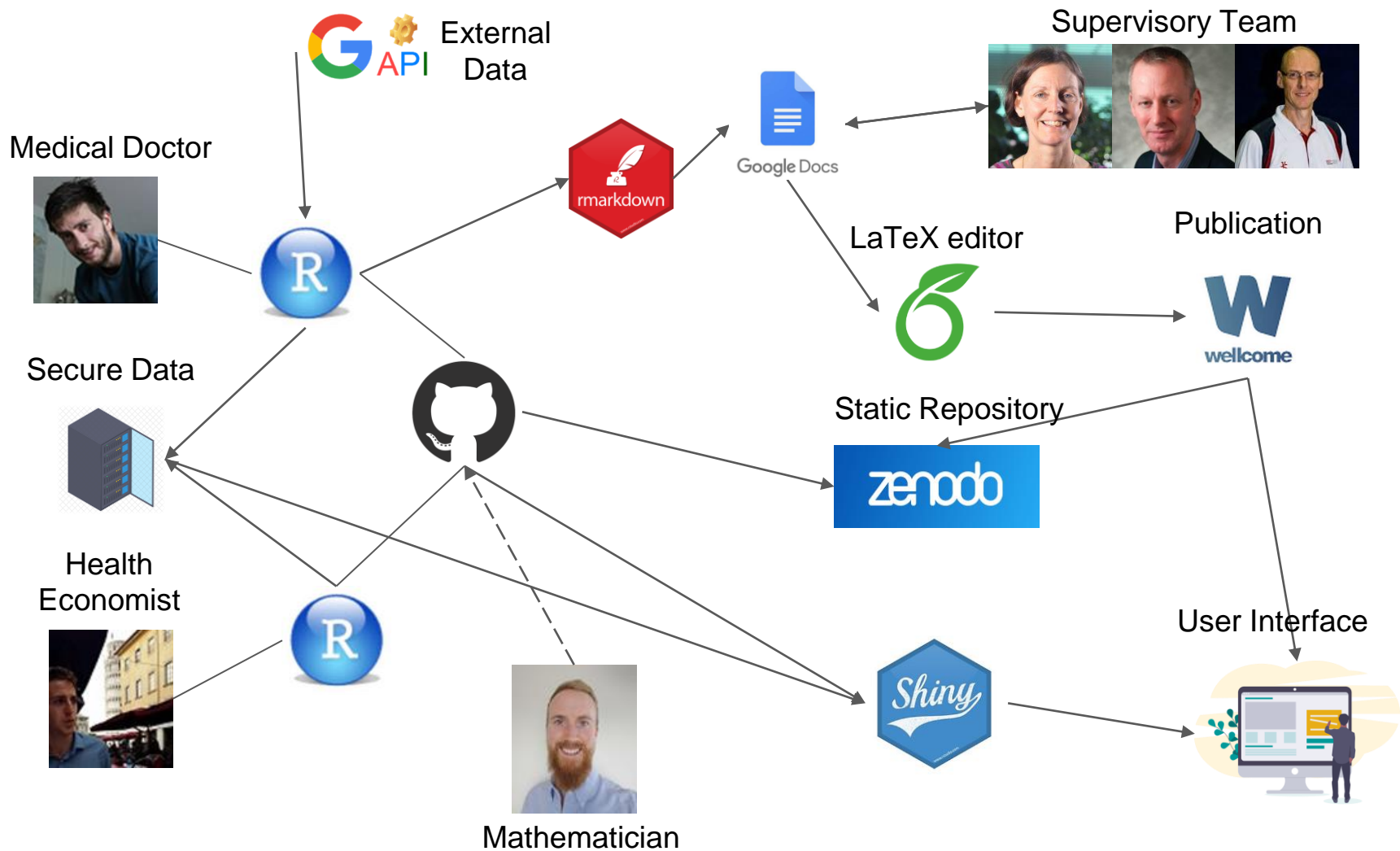
Collaborators:

Dr Paul Schneider, Prof Steve Haake SSJ (OBE), Prof Elizabeth Goyder, Prof Alan Brennan, Chrissie Wellington (OBE), Dr Alice Bullas, Dr Helen Quirk, Rowan Ardill, Tom Mason, Amy Chang, Rami Cosulich, Thomas Bayley.

https://github.com/RobertASmith/healthecon_shiny

Collaborators:

Dr Paul Schneider

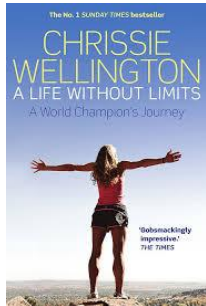


Benefits of open research

Parkrun Paper

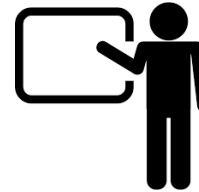


HOUSE OF COMMONS



**Sheffield
Hallam
University**

R-Shiny Paper



Impact – parkrun work.

The image shows a Twitter profile for Fran Biggin (@francesbiggin) with 247 followers. The bio mentions being at the @N8CIR ReproHack, reproducing research in a PrePrint about @parkrunUK by @waq0r, @R06ertSm1th and colleagues.

Below the profile is a screenshot of a Wellcome Open Research article titled "Does ethnic density influence community participation in mass participation physical activity events? The case of parkrun in England [version 2; peer review: 3 approved]". The article is by Robert Smith, Paul Schneider, Alice Bullas, Steve Isaacs, Helen Quirk, Rami Doucouli, and Elizabeth Gwyder. The abstract states that parkrun has been successful in encouraging people in England to participate in their weekly 5km running and walking events, but there is substantial heterogeneity in parkrun participation across different communities in England, with lower participation rates in deprived communities. The methods section mentions that the paper expands on previous findings by investigating disparities in parkrun participation by ethnic density, using combined geo-spatial data available through the Office for

On the right side of the article screenshot, there is a table titled "Open Peer Review" showing reviewer status and reports.

Open Peer Review			
Reviewer Status: 3 approved			
Reviewer Reports			
	1	2	3
Version 2 (reviewed) 19 Jun 20	read	read	read
Version 1 16 Jan 20	read	read	?

Below the table, it lists the reviewer: 1. Anne Greenall, The Australian Prevention Partnership Centre, NQRI, Australia, University...

“Rob and colleague Dr. Paul Schneider developed a statistical tool (an algorithm) which searched through all of the greenspaces in England and ranked the top 200 by predicted public health impact.

One example of how the statistical tool was used is the creation of Bowling Park parkrun, located in a deprived area of Bradford. Our local Ambassador, working with community groups, identified the location as an option for a parkrun event – which was corroborated by Rob’s work – and the event became a reality for the local people.” (parkrunUK, 2020).

<https://blog.parkrun.com/uk/2020/12/08/using-research-to-improve-inclusivity/>



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